

IN THE CLAIMS:

1. (Previously Presented) A timer reservation device for starting a recording onto a record medium automatically at a reserved date and time, comprising:

reservation setting means for setting a first reservation program to reserve repetitive executions of a first reservation setting for a plurality of days, said first reservation setting extending from a recording start time to a recording end time;

remaining capacity detecting means for detecting the recordable remaining capacity of said record medium; and

calculating means for calculating up to what date the recording of said first reservation program is executable on said record medium, based on the recordable remaining capacity and the recording time of one execution of said first reservation setting.

2. (Previously Presented) The timer reservation device according to claim 1, wherein:

the timer reservation device further comprises an on-screen data generating unit for generating a video signal to display specifics of said first reservation program and the due date calculated by said calculation means on a screen of a display means externally connected to the timer reservation device.

3. (Original) The timer reservation device according to claim 1, wherein said reservation setting means selects at least one from among daily, day of week, Monday-

Saturday, and Monday-Friday to reserve the repetitive executions of said reservation setting for a plurality of days.

4. (Previously Presented) The timer reservation device according to claim 1, wherein:

the timer reservation device compresses a record signal at a predetermined compression rate and recording the resultant on said record medium; and

said calculating means calculates a recording capacity necessary for one execution of the first reservation setting of said first reservation program based on the recording time of one execution of said first reservation setting and said compression rate, subtracts the necessary recording capacity from the recordable capacity repetitively, and sets the due date at the date of the last reservation setting to be executed with remaining capacity.

5. (Previously Presented) The timer reservation device according to claim 2, wherein:

said reservation setting means is also capable of setting a second reservation program to reserve an execution of a second reservation setting at a designated date alone, said second reservation setting extending from a recording start time to a recording end time; and

the timer reservation device, if said second reservation program is to be executed prior to the first-to-be-executed reservation setting of said first reservation program and requires a recording capacity smaller than or equal to the recordable

capacity of said record medium, displays on said display means that the recording to be executed for said second reservation program is recordable on said record medium.

6. (Previously Presented) The timer reservation device according to claim 5, wherein the timer reservation device, if said second reservation program is to be executed prior to the first-to-be-executed reservation setting of said first reservation program and requires a recording capacity greater than the recordable capacity of said record medium, displays on said display means that the recording for said second reservation program is unrecordable on said record medium.

7. (Previously Presented) The timer reservation device according to claim 5, wherein the timer reservation device, if said second reservation program is to be executed prior to the first-to-be-executed reservation setting of said first reservation program and requires a recording capacity greater than the recordable capacity of said record medium, displays on said display means the recording time said record medium falls short of in making the recording for said second reservation program.

8. (Previously Presented) The timer reservation device according to claim 1, wherein:

said reservation setting means is also capable of setting a second reservation program to reserve an execution of a second reservation setting at a designated date alone, said second reservation setting extending from a recording start time to a recording end time; and

the timer reservation device, if said first reservation program contains a reservation setting to be executed prior to said second reservation program and said record medium falls short of the recordable capacity with respect to the recording time of said first reservation program, displays on a display means that said second reservation program is unrecordable, even in the cases where said second reservation program requires a recording capacity smaller than or equal to the recordable capacity of said record medium.

9. (Previously Presented) A timer reservation device for starting a recording onto a record medium automatically at a reserved date and time, comprising:

reservation setting means capable of setting a first reservation program to reserve repetitive executions of a first reservation setting for a plurality of days and a second reservation program to reserve an execution of a second reservation setting at a designated date alone, said first and second reservation settings each extending from a recording start time to a recording end time;

remaining capacity detecting means for detecting the recordable remaining capacity of said record medium; and

calculating means for calculating up to what date the recording of said first reservation program is executable on said record medium, based on the recordable remaining capacity, the recording time of one execution of said first reservation setting, and, if said second reservation program is to be executed prior to said first reservation program, the recording time of said second reservation setting.

10. (Previously Presented) The timer reservation device according to claim 9, wherein:

the timer reservation device further comprises an on-screen data generating unit for generating a video signal to display specifics of said first reservation program and the due date calculated by said calculation means on a screen of a display means externally connected to the timer reservation device.

11. (Previously Presented) A recording and reproducing apparatus for starting a recording onto a record medium automatically at a reserved date and time, comprising:

reservation setting unit capable of setting a first reservation program to reserve repetitive executions of a first reservation setting for a plurality of days, said first reservation setting extending from a recording start time to a recording end time;

remaining capacity detecting circuit that detects the recordable remaining capacity of said record medium; and

calculating circuit that calculates up to what date the recording of said first reservation program is executable on said record medium, based on the recordable remaining capacity and the recording time of one execution of said first reservation setting.

12. (Previously Presented) A recording and reproducing apparatus for starting a recording onto a record medium automatically at a reserved date and time, comprising:

reservation setting unit capable of setting a first reservation program to reserve repetitive executions of a first reservation setting for a plurality of days and a second

reservation program to reserve an execution of a second reservation setting at a designated date alone, said first and second reservation settings each extending from a recording start time to a recording end time;

remaining capacity detecting circuit that detects the recordable remaining capacity of said record medium; and

calculating circuit that calculates up to what date the recording of said first reservation program is executable on said record medium, based on the recordable remaining capacity, the recording time of one execution of said first reservation setting, and, if said second reservation program is to be executed prior to said first reserved program, the recording time of said second reservation setting.